

WHAT IS CLAIMED IS:

1. A wireless communication device, comprising:
wireless communicating means;

a plurality of voltage stabilizing means; and

5 control means for controlling the plurality of
voltage stabilizing means in association with a
transmission from said wireless communicating means,

wherein said plurality of voltage stabilizing
means stabilize the output voltage of a common power
10 source and supply the stabilized output voltage to the
wireless communicating means.

2. The wireless communication device according
to claim 1, wherein said control means stops one of the
15 plurality of voltage stabilizing means in association
with the transmission from said wireless communicating
means.

3. The wireless communication device according
20 to claim 1, wherein said control means stops one of
said plurality of voltage stabilizing means while the
transmission is not permitted.

4. The wireless communication device according
25 to claim 1, wherein said control means stops one of
said plurality of voltage stabilizing means after the
transmission from said wireless communicating means.

5. The wireless communication device according to claim 1, wherein said control means switches one of said plurality of voltage stabilizing means for supplying voltage to said wireless communicating means in association with the transmission from said wireless communicating means.

6. The wireless communication device according to claim 1, wherein said plurality of voltage stabilizing means include a series regulator and a DC/DC converter.

7. A wireless communication device, comprising:
wireless communicating means;
first and second supply means for supplying a power to said wireless communicating means; and
control means for supplying the power from both the first and second supply means to the wireless communicating means in a transmission state and supplying a power to the wireless communicating means in a receiving state from one of said first and second supply means.

8. A wireless communication device, comprising:
wireless communicating means having a first mode for transmitting a response signal to a signal from a communication partner and a second mode for

transmitting no response signal to the signal from the communication partner;

a plurality of power supply means; and

control means for controlling said plurality of
5 power supply means in accordance with the transmission from said wireless communicating means,

wherein said wireless communicating means transmits a first signal showing the first mode and a second signal showing the second mode to the
10 communication partner.

9. The wireless communication device according to claim 8, wherein said wireless communicating means transmits the second signal in accordance with the
15 start of the transmission of image information and transmits the first signal in accordance with the completion of the transmission of image information.

10. A wireless communication device, comprising:
20 wireless communicating means;
a plurality of power supply means; and
control means for controlling said plurality of power supply means in accordance with the transmission power of said wireless communicating means.

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11. A wireless communication method, comprising the steps of:

stabilizing an output voltage of a common power source to generate a plurality of stabilized voltages; and

5 controlling the stabilized voltage supplied to a wireless communication part in accordance with the reception of a wireless signal from a communication partner.

10 12. The wireless communication method according to claim 11, wherein said control step stops one of the plurality of stabilized voltages in accordance with the reception in the receiving step.

15 13. The wireless communication method according to claim 11, wherein said control step switches one of the plurality of stabilized voltages to be supplied to the wireless communication part.

20 14. A wireless communication method, comprising the steps of:

supplying a power from both first and second power supply parts to a wireless communication part in a transmission state; and

25 supplying a power from one of the first and second power supply parts to the wireless communication part in a receiving state.

15. A wireless communication method, comprising the steps of:

controlling a plurality of power supply parts in association with a transmission from a wireless

5 communication part;

transmitting to a communication partner a first signal showing a first mode for transmitting a response signal relative to a signal from the communication partner; and

10 transmitting to the communication partner a second signal indicating a second mode for transmitting no response signal relative to a signal from the communication partner.

15 16. The wireless communication method according to claim 15,

wherein the first signal is transmitted in accordance with the start of the supply of power in the first transmitting step, and

20 the second signal is transmitted in accordance with the start of the transmission of image information in the second transmitting step.

25 17. A wireless communication method, comprising the steps of:

setting the transmission power of a wireless communication part; and

controlling a plurality of power supply parts in
accordance with the transmission power of said wireless
communication part.